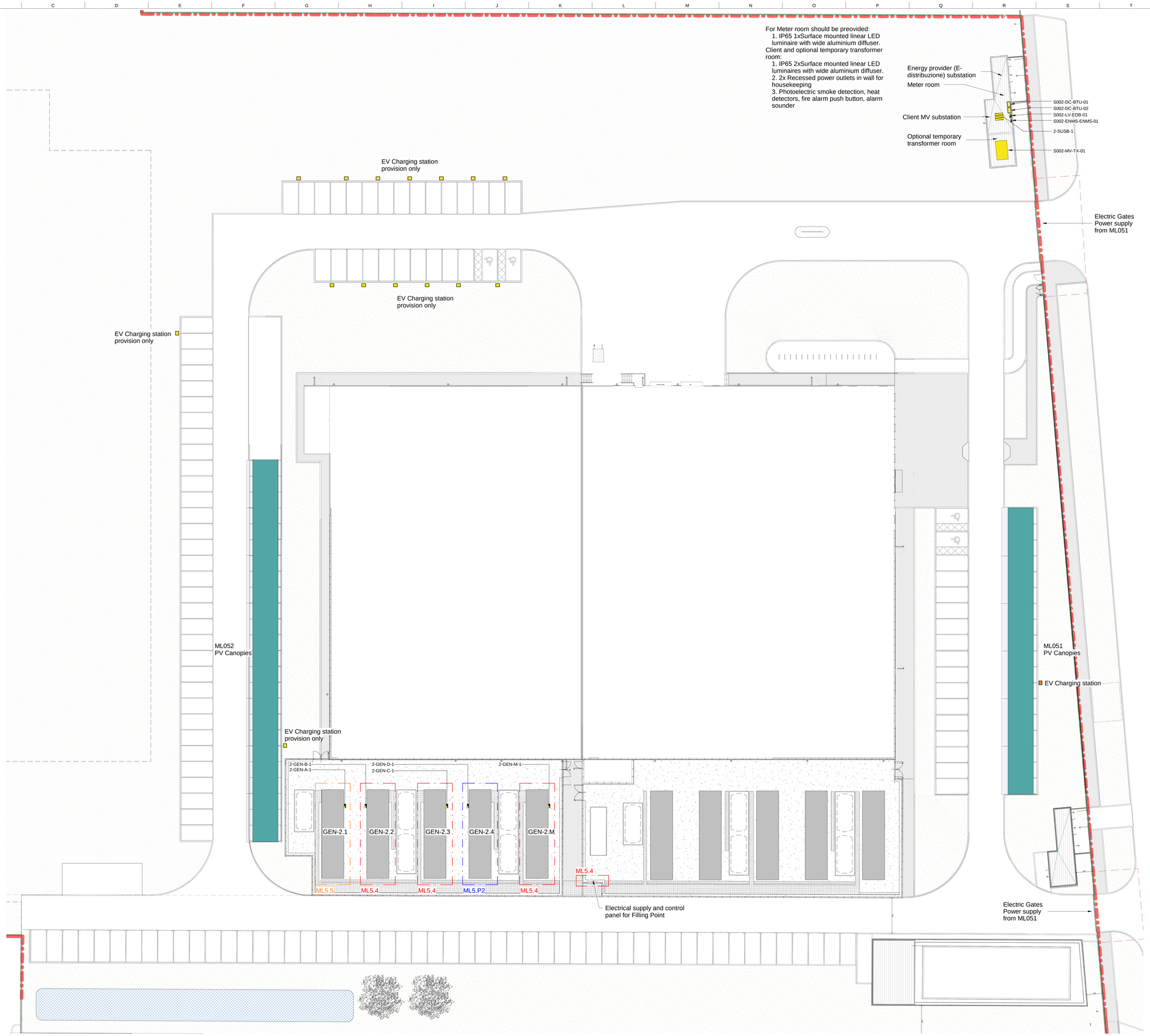

General Notes:

1. This drawing indicates RIBA Stage 3 design information for combined ML5.4, ML5.5, ML5.P1 & ML5.P2, defining the principles of the MEP services. The level of detail shown is in line with this stage of design development as defined by the BSRIA Design Framework BG 6/2018. Due consideration shall be made when interpreting the design intent.
2. This drawing should be read in conjunction with the reference design documentation, work package scope of works, Equinix Global Design Standards and compliance checklist and all other supporting technical information forming part of the combined ML5 build. 2.
3. All dimensions in mm unless otherwise stated.
4. Do not scale from this drawing.
5. All plant and equipment is to be installed to manufacturer's recommendations, allowing full access for commissioning, maintenance and removal/ replacement.
6. All the MEP service system, their component and equipment are non-structural elements, the Italian Structural and Seismic Standard must to be applied (paragraph 7.3.6.2-7.3.6.3 of NTC 2018 - Technical Standards for integrated constructions - DM 17/1/18 circular 21/1/19 No. 7).
7. The works shall be split in phases as indicated on architectural drawing ML052-ARP-00-ZZ-DR-A-PLAN-1005 and according to phase's demarcation lines. Contractor shall provide all the temporary works and provisions to allow full functionality of the building in each phase and to allow the completion of the future fit-out works.
8. Building 2 is the extension of the building 1 and all the electrical systems should be the same in case of extension (Eg. EVAC, fire detection, etc.). GC shall refer to ML5.1 RIBA4 + RIBA5 construction drawings. Material samples are required for approval in case any element provided for Building 2 may be different from what installed in ML5 Building 1.
9. All interfaces between the two buildings are to be carefully designed by GC to guarantee the functionality and interface with the electrical system of Building 1. GC to guarantee long durability and robustness of all interface details.

Small Power Notes:

1. All critical equipment with redundant topology (N+1) shall have diverse supplies derived from separate LV Strings.
2. All UPS backed rooms shall have outlets interleaved so alternative outlets are supplied from A&B sources.
3. The contractor shall confirm equipment requirements with relative sub-contractor prior to installation, coordinating final location and power supply requirements based on the final selected equipment.
4. Where A&B redundant supplies are provided the contractor shall provide diverse cable routes wherever possible.
5. Provide electrical supply for all facade automatic opening.
6. Provide electrical supply for all electrical fire damper.

NOTE:
For all external electrical supplies to be coordinated with civil package.

Rev	Date	By	Chkd	Appd
P02	17/04/2020	PT	NC	NC
S3 - For Formal Review				

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Client
Equinix

EQUINIX

Project Title
ML5 - Building 2

Drawing Title
Electrical Services
Small Power Layout
External

Scale at A0 1 : 200

Role Electrical Services

Suitability S3 - For Formal Review

Arup Job No. 272509-00

Rev P02

Name ML052-ARP-00-0G-DR-E-LITE-1061

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Do not scale

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